LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 327

BLEACHING POWDER

88475—1

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BLEACHING POWDER

(Chlorinated Lime; Chloride of Lime; Chlorure de Chaux; Calx Chlorinata).

OTTAWA, November 15, 1915.

J. U. VINCENT, ESQ.,

Deputy Minister of Inland Revenue,

SIR,—

The article referred to under the names given is generally [illegible] Canada as Bleaching Powder or as Chlorure de Chaux. It is greatly in dema[illegible] [illegible]g linen, and for disinfecting purposes. The British Pharmacopoeia (Ed[illegible]) describes it under the names *Calx Chlorinata* and *Chlorinated Lime;* and gi[illegible] th[illegible] following characters and tests:—

"A dull white powder with a characteristic chlorinous odour, becoming moist and gradually decomposing on exposure to air. Partially soluble in water. The solution yields the reactions characteristic of calcium and of chlorides, and evolves chlorine copiously upon the addition of an acid. 0·5 gramme of Chlorinated Lime, mixed with 1·5 grammes of potassium iodide dissolved in 200 millilitres of water, gives, when acidified with 6 millilitres of hydrochloric acid, a reddish solution, which requires for decoloration not less than 42·3 millilitres of N/10 solution of sodium thiosulphate, corresponding to not less than 30 per cent of available chlorine."

The one hundred and one (101) samples now reported may be classified as follows:—

Yielding 30 per cent of chlorine	21	samples.
" 25 per cent of chlorine	41	"
" 20 per cent of chlorine	26	"
" 10 per cent of chlorine	8	"
" less than 10 per cent chlorine	5	"
Total	101	"

Attention was directed to this subject by certain work reported to me by Mr. G. M. Land, of the Ontario Agricultural College, Guelph, who found, in ten market samples of Bleaching Powder, amounts of available Chlorine varying from 14·90 per cent to 23·40 per cent; and who adds: "I should like to know from you, if possible, if my tests are representative of the chloride of lime as retailed in pound and half pound packages, throughout the Province; as it seems to me that it is a question of low test, and short-weight all round."

The results of this inspection show the article to be, as a rule, of very poor quality, only about 20 per cent of the samples meeting pharmacopoeal requirements; and many samples being practically worthless. It is well understood that Bleaching Powder is a perishable article, in the ordinary sense of that word. It can only be kept for any length of time, in good condition, by being carefully packed, and stored in a cool and dry place. But dealers should be fully aware of the nature of the goods they handle. It will be understood that the finding of the analyst does not necessarily mean that the article as originally manufactured, or as furnished to the retail dealer, was below standard strength. It does however mean that the article, as furnished to the consumer (the public) was below standard strength, and that the public has a just cause for complaint.

In the case of twenty samples the gross and net weight has been determined. As a rule the net weight meets the guarantee given on the label.

I beg to recommend publication of this report as Bulletin No. 327.

I have the honour to be, sir,
Your obedient servant,

A. McGILL,
Chief Analyst.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the vendor. Manufacturer.	Furnisher.
DISTRICT OF NOVA SCOTIA—							
1915. Sept. 9	Bleaching Powder.	64226	Nat. Drug and Chem. Co., Halifax.	3 pkgs	12	A. Mendleson's Sons, Albany.	.....
DISTRICT OF CAPE BRETON—							
Sept. 8	Bleaching Powder.	63830	F. & J. Morley, Sydney..	3 lb..	30	White Swan S. & C. Ltd., Toronto.	.....
" 8	Chloride of Lime.	63831	G. F. Miles, Sydney.....	3 " ..	30	Alpha Chem. Co., Berlin. Ont.	.....
" 8	" .	63832	J. J. Turnbull, Sydney...	3 " ..	30	E. G. West & Co., Toronto.	.....
" 8	" .	63833	Earl S. Auld, Sydney	3 " ..	60	A. Mendleson's Sons, Albany, N.Y.	.....
DISTRICT OF PRINCE EDWARD ISLAND—							
Sept. 10	Chloride of Lime.	60323	Coffin & Co., Charlottetown.	3 pkgs	45	Alpha Chem. Co., Berlin, Ont.	.....
" 14	" .	60324	Johnson & Johnson, Charlottetown.	3 "	60	Lyman's, Ltd., Montreal.	.....
" 24	" .	60325	C. D. Rankin, Charlottetown.	3 "	60	A. Mendleson's Sons, Albany, N.Y.	.....
" 24	" .	60326	McKinnon Drug Co., Charlottetown.	3 "	30	" " ..	.....
" 24	" .	60327	Beer & Goff, Charlottetown.	3 "	45	United Alkali Co., St. Helens, Eng.	.....
DISTRICT OF NEW BRUNSWICK—							
July 15	Bleaching Powder.	66111	Nat. Drug and Chem. Co., St. John.	3 pkgs	60	Mendleson's Sons, Albany, N.Y.	.....
" 20	" .	66112	O. Neill Co., Pharmacy, St. John.	3 "	30	" " ..	.....
Aug. 11	" .	66113	Estate of A. J. Waterson, St. Stephen.	3 "	50	" " ..	.....
" 17	" .	66114	Charles Burchill, Fredericton.	3 "	45	" " ..	.....
24	" .	66115	C. H. Fairweather, Sussex.	3 "	51	Lymans, Ltd., Montreal.	.....

BLEACHING POWDER.

Inspector's Report. (Is not an expression of opinion.)	Brand.	Results of Analysis. Available Chlorine. Claim.	Found.	Container.	Condition of Powder.	—	No. of Sample.	Remarks and Opinion of the Chief Analyst.
R. J. WAUGH, INSPECTOR.								
		p. c.	p. c.					
Labelled Chloride of Lime.	Hudson	30 0	28·3	.....	.....	.....	64226	
E. T. McKEEN, INSPECTOR.								
.....	White Swan.	.....	29·3	.....	.....	.....	63830	
.....	.....	.....	4·1	Cardboard	.....	Container broken.	63831	Below standard.
.....	West's.. ...	.....	16·3	"	.....	.....	63832	"
.....	Hudson	30·0	24·8	.....	.....	.....	63833	
WM. A. WEEKS, INSPECTOR.								
.....	.....	.....	11·15	Cardboard	.....	.....	60323	Below standard.
.....	Crescent....	30·0	27·6	.....	.....	.....	60324	
.....	Hudson ...	30·0	30·15	.....	.....	.....	60325	
.....	"	30·0	25·0	.....	.....	.....	60326	
.....	Greenbank..	...	25·7	.....	.....	.....	60327	
JOHN C. FERGUSON, INSPECTOR.								
		p. c.	p. c.					
.....	Hudson.....	30·0	27·10	.....	.....	.....	66111	
.....	"	30·0	28·20	.....	.....	.....	66112	
Hudson Brand.....	"	30·0	29·70	.....	.....	.....	66113	
" "	"	30·0	28·40	.....	.....	.....	66114	
Crescent "	Crescent....	30·0	30·40	.....	.....	.....	66115	

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher, as given by the Vendor. Manufacturer.	Furnisher.
DISTRICT OF QUEBEC PROVINCE—J. E. AUDET, O. BROCHU,							
1915. July 7	Bleaching Powder.	3606	Dorchester Lumber, Ste. Malachie, Co. Dorchester.	3 pkgs	15	Mendleson's Sons, Albany.	.....
" 15	Chlorure Chaux.	3621	A. Caillouette, Ste. Justine.	3 "	30	Sultana Lemeated, Montreal.	.....
" 23	Bleaching Powder.	3632	P. T. Renaud, Beauceville.	3 "	30	... .	.....
" 26	Chloride of Lime.	3633	J. A. Poulin, Valley Jct..	3 "	30	J. B. Renaud & Co., Quebec.	.....
" 22	Chlorure Chaux.	3600	Geo. Roy, St. Michel.....	3 "	45	A. Mendleson's Sons, Albany.	.....
" 12	"	292	Avila Lauzon, St. Jerome.	3 "	15	United Alkali Co.	.....
" 19	"	305	Hon. Giroux, Ste. Agathe des Monts.	3 "	15	Hudson	.....
" 12	"	316	H. Coté, St. Faustin Station.	3 "	30	Northrup & Lyman.	.....
" 19	Chloride of Lime.	2776	Alphonse Letourneau, St. Pierre, Montmagny.	3 "	30	J. A. Blanchard, New York.	.....
" 20	"	2781	Ivanhoe Caron, Cap St. Ignace.	3 "	30	" " ..	.....
" 21	"	2786	Jos. Fournier, St. Thomas, Montmagny.	3 "	30	Northrup & Lyman, Toronto.	.....
DISTRICT OF THREE RIVERS—							
July 9	Bleaching Powder.	69144	Monahan Bros., St. Lin..	3 pkgs	15	Chaput Son, Montreal.	.....
" 9	"	69145	Alfred Henri, St. Lin ...	3 "	13	Hudson Co., Ltd., Montreal.	.....
" 10	"	69146	R. Charbonneau, St. Esprit.	3 "	15	Northrup, Lyman, Toronto.	.....
" 22	"	69148	L. O. Lassalle, St. Jacques.	3 "	15	Hudson Co., Ltd., Montreal.	.....
" 13	"	69149	L. Pauze, L'Assomption..	3 "	30	Greenbank, Why, St. Helen's, Eng.	.....
" 14	"	69150	W. H. Lacasse, L'Assomption.	3 "	15	Hudson Co., Ltd., Montreal.	Jos. Dufresne, Joliette.
DISTRICT OF EASTERN TOWNSHIPS—							
Aug. 24	Bleaching Powder.	63094	L. D. Girard, Drummondville.	3 tins.	35	Lyman, Ltd., Montreal.	.....
" 24	"	63095	" " ..	3 "	15	United Alkali Co., England.	.....
" 25	"	63096	J. H. E. Brodeur, St. St. Hyacinthe.	3 "	45	A. Mendleson Son, Albany, N.Y.	.....
" 25	"	63097	S. Bourgeois & Co., St. Hyacinthe.	3 "	45	United Alkali Co., England.	.....
" 25	"	63098	C. Pagnuch, St. Hyacinthe.	3 "	30	S. J. Carter Co., Montreal.	.....

BLEACHING POWDER.

Inspector's Report. (Is not an expression of opinion).	Brand.	Results of Analysis. Available Chlorine. Claim.	Found.	Container.	Condition of Powder.	—	No. of Sample.	Remarks and Opinion of the Chief Analyst.
N. CADIEUX AND T. GENDREAU, TEMPORARY INSPECTORS.								
		p. c.	p. c.					
.....	.....	.....	13·5	Can	Dry		3606	Below standard.
.....	.....	.....	31·8	"	"	.....	3621	
.....	.....	30·0	29·4	"	"	.....	3632	
.....	.....	.....	24·0	"	"	.....	3633	
.....	.....	.....	0·14	"	Very pasty.	.....	3600	Below standard.
.....	.....	.....	31·6	Tin	Dry	.....	292	
.....	.....	.....	9·7	Can	Fairly dry	.....	305	Below standard.
.....	.....	.....	26·4	"	Dry	.....	316	
.....	.....	.....	18·6	Pasteboard.	Like paste	Top eaten off.	2776	Below standard.
.....	.....	.....	6·8	"	Very pasty.	.....	2781	"
.....	.....	.....	17·6	Can	Moist	.....	2786	"
DR. V. P. LAVALLEE, INSPECTOR.								
.....	.....	.....	29·74	Can	Dry	.....	69144	
.....	.....	.....	25·45	"	Fairly dry	.....	69145	
.....	.....	30·0	29·17	"	Dry	.....	69146	
.....	.....	.....	26·45	"	Fairly dry	.....	69148	
.....	.....	.....	29·46	"	Dry	.....	69149	
.....	.....	.....	19·73	"	Fairly dry	.....	69150	Below standard.
J. J. COSTIGAN, ACTING INSPECTOR.								
Crescent	.....	.....	22·65	Tin	Slightly moist.	.....	63094	Below standard.
.....	.....	.....	27·46	"	Dry and powdered.	.....	63095	
Hudson	.....	.....	24·36	"	Dry	.....	63096	
.....	.....	.....	21·28	"	"	.....	63097	Below standard.
.....	.....	30·0	27·59	"	Slightly moist.	.....	63098	

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher, as given by the Vendor. Manufacturer.	Furnisher.
						DISTRICT OF MONTREAL—	
1915. Aug. 26	Bleaching Powder.	67416	Murphy & Riordon, 871 St. Catherine St. W., Montreal.	3 pkgs	15	A. Mendleson Sons.	.....
" 26	"	67417	W. J. Brown, 888 St. Catherine St. W., Montreal.	3 "	45	Alpha Chem. Co.	.....
" 26	"	67418	Jas. Graham, 4451 St. Catherine St., Westmount.	3 "	45	.....	Hudon, Hebert & Co.
" 30	"	67419	C. E. Box, 4846 Sherbrooke St., Westmount.	3 "	45	United Alkali Co.	.....
" 30	"	67420	J. S. Benoit, 1379 Green Ave., Westmount.	3 "	45	Sultana Ltd	.....
						DISTRICT OF VALLEYFIELD—	
Aug. 28	Bleaching Powder.	67201	A. Bissonnette, St. Zotique, P.Q.	3 tins.	45	Sultana, Ltd	.....
" 28	"	67202	G. Pilon, St. Zotique, P.Q.	3 "	30	United Alkali Co., Ltd.	.....
" 30	"	67203	L. C. Dumesnil, River Beaudette.	3 "	45	Sultana, Ltd	.....
" 31	"	67204	Miss P. Guimond, Beauharnois, P. Q.	3 "	30	United Alkali Co.	.....
" 31	"	67205	J. A. Faubert, Beauharnois, P.Q.	3 "	15	A. Mendleson	.....
						DISTRICT OF OTTAWA—	
July 14	Bleaching Powder.	51683	W. F. Gibson, 1105 Bank St., Ottawa.	3 Lb.	45	A. Mendleson's Sons.	Lymans Ltd., Montreal.
" 14	"	51684	A. S. Moreland, 819 Bank St., Ottawa.	3 pkg.	30	The Alpha Chem. Co., Berlin, Ont.	.....
Aug. 12	"	51685	A. Bourguignon, Booth St., Ottawa.	3 tins.	30	Unknown.....	S.J. Major, Ltd., Ottawa.
July 10	"	63684	S. E. Johnston, Arnprior	3 "	30	A. Mendleson's Sons, Albany, NY.	Nat. Drug. & Chem. Co., Ottawa.
" 13	"	63685	Wm. Hughes, Carleton Place.	3 box.	40	E. G. West & Co., Toronto.	.....
						DISTRICT OF KINGSTON—	
Sept. 1	Chloride of Lime.	61081	W. W. Gibson, Kingston.	3 tins.	30	.....	N. C. Polson Co., Kingston.
" 1	"	61082	Jas. B. McLeod, Kingston	3 "	30	.....	.....
" 1	"	61083	L. T. Best, Kingston.....	3 "	30	.....	.....
" 1	"	61084	A. P. Chown, Kingston..	3 "	45	A. Mendleson's, New York.	.....
" 1	"	61085	T. H. Sargent, Kingston..	3 "	30	.....	.....

BLEACHING POWDER.

Inspector's Report. (Is not an expression of opinion.)	Brand.	Results of Analysis. Available Chlorine. Claim.	Available Chlorine. Found.	Container.	Condition of Powder.	—	No. of Sample.	Remarks and Opinions of the Chief Analyst.
D. J. KEARNEY, INSPECTOR.								
		p. c.	p. c.					
Purchased as Chloride of Lime.	.....	.....	24·5	Can	Dry, coarse.	.....	67416	
" " ..	.....	.....	13·6	Pasteboard.	Fine, dry.	.....	67417	Below standard.
" " ..	.....	.....	30·1	Can	Dry and caked.	.....	67418	
" " ..	.....	.....	30·2	"	"	.....	67419	
" " ..	.....	.....	31·1	Enameled can.	"	.....	67420	
D. J. KEARNEY, ACTING INSPECTOR.								
Purchased as Chloride of Lime.	.....	.....	28·6	Can	Hard dry cake.	.....	67201	
" " ..	.....	.....	0·8	"	Very wet paste.	.....	67202	Below standard.
" " ..	.....	.....	26·5	"	Hard cake and coarse	.....	67203	
" " ..	.....	.....	30·2	"	Fine, dry.	.....	67204	
" " ..	.....	.....	18·3	"	Dry, coarse.	.....	67205	Below standard.
J. A. RICKEY, INSPECTOR.								
Crescent High Test 30% avail Chlorine.	.....	30·0	27·1	Tin.....	Dry	.....	51683	
Moody's Royal.....	.....	....	14·1	Pasteboard	"	.....	51684	Below standard.
Reina High Test....	.....	.....	29·0	Can	"	.....	51685	
High Test..... ..	.....	.....	30·4	Tin.....	"	.....	63684	
"	.....	.....	18·7	Pasteboard	"	.....	63685	Below standard.
JAMES HOGAN, INSPECTOR.								
.....	.....	.....	30·1	Tin.....	Dry and well powdered.	.....	61081	
Moody's Royal.....	.....	.....	16·75	Pasteboard	Dry but solid.	.....	61082	Below standard.
"	.....	.....	16 5	"	Dry powdered on top.	.....	61083	"
.....	.....	35·0	21·9	Tin.....	Dry	.....	61084	"
Moody's Royal.....	.....	.....	19·77	Pasteboard	Dry but solid.	.....	61085	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the vendor. Manufacturer.	Name and Address of Manufacturer or Furnisher as given by the vendor. Furnisher.
DISTRICT OF TORONTO—							
1915. Aug. 10	Bleaching Powder.	69913	T. Park, 954 St. Clair Ave., Toronto.	3 pks	30	.....	White Swan S. & C. Co., Ltd., Toronto.
" 11	" ..	69914	E. F. Sears, 330 Danforth Ave., Toronto.	3 "	15	W. Wilson, Toronto.	.....
" 14	" ..	69916	Hill & Shields, Weston ..	3 "	30	Alpha Chem. Co., Berlin, Ont.	.....
DISTRICT OF HAMILTON—							
July 21	Bleaching Powder.	70031	Roddy & Walker, St. Catharines.	3 pkgs.	15	Alpha Chem. Co., Ltd., Berlin.	.....
" 23	" ..	70033	F. A. Berriman, 149 Queen St., Niagara Falls.	3 "	30	Eaze Mfg. Co., Ltd., Toronto.	.....
Aug. 5	" ..	70063	Jas. J. McQuarrie, 11 King William St., Hamilton.	3 "	25	The Canadian Crystal Co., Toronto.	.....
DISTRICT OF WINDSOR—							
Sept. 3	Chloride of Lime.	54672	R. N. Thurtell, Ingersoll.	3 pks.	30	Alpha Chem. Co., Berlin, Ont.	.....
" 3	" ..	54673	A. G. Law, Ingersoll.....	3 "	30	Nat. Drug & Chem. Co.	.....
" 3	" .	54674	A. J. Gill, Ingersoll.....	3 "	30	Alpha Chem. Co., Berlin, Ont.	.....
" 3	" ..	54675	John E. Gayfeer, Ingersoll.	3 "	30	" ..	.....
" 3	" ..	54676	H. Avery, Ingersoll.....	3 "	30	John B. Paine Co., Toronto.	.....
" 3	" ..	54677	F. McDougall, Ingersoll..	3 "	30	Nat. Drug Co.....	.....
" 3	" ..	54678	Bruce Phillips, Ingersoll..	3 "	30	John B. Paine Co., Toronto.	.....
" 4	" ..	54679	B. A. Mitchell, London ..	3 "	30	Nat. Drug Co.....	.....

BLEACHING POWDER.

Inspector's Report. (Is not an expression of opinion.)	Brand.	Results of Analysis. Available Chlorine. Claim.	Available Chlorine. Found.	Container.	Condition of Powder.	—	No. of Sample.	Remarks and Opinion of the Chief Analyst.
H. J. DAGER, INSPECTOR.								
		p. c.	p. c.					
Labelled White Swan Chloride & Lime or Bleaching Powder.	White Swan	30·0	20·4	Can.....	Dry..	.....	69913	Below standard.
Labelled Wilson's Chloride of Lime..	Wilson's....	.....	36 75	Paste-board.	"	.....	69914	"
Labelled Moody's Royal Chloride of Lime.	Moody's Royal.	.....	18·60	" .	"	.....	69916	
H. J. DAGER, ACTING INSPECTOR.								
Moody's Royal Carbonized Chloride of Lime.	Moody's Royal.	.....	17·5	Paste-board.	Dry, very light.	.....	70031	Below standard.
The Home Bleacher Triple X.	Triple X. ..	.....	21·8	" .	Dry	... .	70033	"
The Canadian Chloride of Lime.	Canadian...	.....	26·3	" .	Not extra dry.	.....	70063	
JOHN TALBOT, INSPECTOR.								
Moody's Royal Carbonized Chloride of Lime.	Moody's Royal.	....	17·06	Paste-board.	Dry hard cake.	.....	54672	Below standard.
N. D. & C. Co	N.D.&C.Co.	. ...	27·77	" .	Soft coarse grained.	... .	54673	
Moody's Royal Carbonized Chloride of Lime.	Moody's Royal.	.....	15·36	" .	Dry, fine..	.....	54674	Below standard.
" " ..	" ..	.... .	13·11	" .	"	.....	54675	"
Bull Dog Brand Chloride of Lime.	Bull Dog ...	.....	31·5	Enamell'd metal can.	Coarse, dry.	.....	54676	
N. D. & C. Co.....	N.D.&C.Co.	.....	18·75	Paste-board.	" ..	....	54677	Below standard.
Bull Dog Brand Chloride of Lime.	Bull Dog ...	....	31·7	Enamell'd metal can.	" ..	.....	54678	
Chloride of Lime N. D. & C. Co.	N.D.&C.Co.	.....	27·3	Paste-board.	" ..	..... .	54679	

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher, as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report. (Is not an expression of opinion.)
DISTRICT OF MANITOBA—								
1915.								
Aug. 30	Bleaching Powder.	61370	Argue & Co., Roland	3 pkgs	60	Martin Bole, Wynne Co., Winnipeg.	.....	.....
Sept. 1	"	61371	Dunlop Drug Dept., 448 Main St., Winnipeg.	3 "	30	A. Mendleson Co.	.....	.....
" 1	"	61372	Gordon Mitchell Drug Co., Winnipeg.	3 "	30	Vendors	.....	.....
" 1	"	61373	W. W. Starr, 807 Portage Ave., Winnipeg.	3 "	25	Martin Bole, Wynne Co., Winnipeg.	.....	.....
"	"	61374	W. McCulloch, 647 Portage Ave., Winnipeg.	3 "	45	John B. Paine & Co., Toronto.	.....	.....
DISTRICT OF SASKATCHEWAN—								
Sept. 21	Chloride of Lime	66432	Regina Trading Co., Regina.	3 pkgs	40	E. G. West & Co., Toronto.	Mfr	.....
" 21	"	66432	Canada Drug and Stationery Co., Regina.	3 "	50	Nat. Drug and Chem. Co., Toronto.	"	.....
" 21	"	66434	E. L. Colling, Moose Jaw.	3 "	40	Martin Bole & Wynne, Winnipeg.	"	.....
" 21	"	66435	F. Marlatt, Moose Jaw.	3 "	45	J. B. Paine Co., Toronto.	Martin Bole & Wynne, Winnipeg.	.....
" 21	"	66436	Moose Jaw Drug and Stationery Co., Moose Jaw.	3 "	40	E. G. West, Toronto.	Mfr	.....
DISTRICT OF ALBERTA—								
Sept. 10	Bleaching Powder.	52216	Nat. Drug and Chem. Co., Calgary.	3 pkgs	35	.....	J. B. Paine Co., Ltd., Toronto.	.....
" 10	"	52217	Oliver Bros., Ltd., Calgary.	3 "	40	.....	Nat. Drug & Chem. Co., Calgary.	.....
" 10	"	52218	Perry Drug Co., Calgary.	3 "	40	J. B. Paine Co., Ltd., Toronto.	.....	.....
" 10	"	52219	J. D. J. McDonald, Calgary.	3 "	30	.....	Nat. Drug & Chem. Co., Calgary	.....
" 10	"	52220	J. Findlay Drug Co., Calgary.	3 "	30	United Alkali Co., St. Helens, Eng.	.....	.....

BLEACHING POWDER.

Brand.	Results of Analysis.							No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Available Chlorine.		Container.	Condition of Powder.	Weight.				
	Claim.	Found.			Claimed.	Net as found in Ounces.	Gross as found in Ounces.		
J. B. COSGROVE, TEMPORARY INSPECTOR.									
	p. c.	p. c.				p. c.	p. c.		
.....	....	33·2	Pasteboard.	Dry.	.....	.....	....	61370	
.....	.....	32·2	Tin	"	.....	.....	.....	61371	
.....	.....	34·7	Pastoboard.	"	.....	....	.....	61372	
.....	.....	34·7	"	"	.....	.....	.....	61373	
.....	.....	29·7	Tin	"	.....	.....	...	61374	
L. H. HALL, TEMPORARY INSPECTOR.									
.....	....	15·6	Pasteboard.	Very dry ...	.....	.....	.....	66432	Below standard.
.....	.....	25·1	"	Partially wet.	.....	.....	.....	66433	
.....	....	35·3	"	Dry.....	.....	.....	...	66434	
.....	.....	31·7	"	"	.....	.....	.....	66435	
.....	.....	16·1	"	....	.....	....	...	66436	Below standard.
A. W. R. MARKLEY, INSPECTOR.									
.....	....	25·75	.....	... .	1 lb. full weight.	15·20	16·7.	.16	
.....	....	23·55	.....	... .	"	15·34	16·90	52217	Below standard.
.....	.....	31·30	.....	.....	....	11·01	14·15	52218	
.....	.....	17·40	....	.....	½ lb. full weight.	6·81	7·94	52219	Below standard.
.....	.....	18·50	....	.....	....	9 83	11·08	52220	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report. (Is not an expression of opinion).
DISTRICT OF ROCKY MOUNTAINS—								
1915. July 20	Bleaching Powder.	61860	Agnew & Co., Rossland.	3 tins.	60	The F. F. Dalley Co., Hamilton.	.....	.....
Aug. 6	"	61863	The Okanagan Grocery, Vernon.	3 pkgs	40	The W. H. Malkin Co., Vancouver.	.....	.....
" 6	"	61864	W. R. Megan, Vernon.	3 "	40	Wilson Bros., Victoria.	.....	.....
" 10	"	61871	R. McColl, Kamloops.	3 "	45	The Columbia Chem. Co., New York.	McLennan & McFeely Vanc.	.....
" 10	"	61879	Hudson's Bay Co., Kamloops.	3 "	30	Hudson's Bay Co., Vancouver.	.....	.....
DISTRICT OF VANCOUVER—								
July 20	Bleaching Powder.	55323	H. Ryall, Columbia St., New Westminster.	3 tins.	45	A. Mendleson's Sons, New York.	.....	Hudson High Test.
" 20	"	55324	C. A. Welsh, Ltd., 681 Columbia St., New Westminster.	3 "	40	Col. Chem. Co., New York.	.....	Columbia Brand.
" 20	"	55325	Annandale Supply Co., Columbia St., New Westminster.	3 "	40	.....	W. H. Malkin Co., Ltd., Vancouver.	Sanitary Brand.
" 20	"	55326	Fraser River Supply Co., 548 Columbia St., New Westminster.	3 "	30	.....	A. Macdonald & Co., Vancouver.	White Star Brand.
" 21	"	55327	David Spencer, Vancouver.	3 "	30	.....	.....	Tiger Brand, specially packed for vendor.
DISTRICT OF VICTORIA—								
July 29	Bleaching Powder.	66779	F. J. Williams, 613 Fort St., Victoria.	3 tins.	50	A. Mendleson's Sons, Albany, N.Y.	.....	Hudson's High Test. Chloride of Lime.
" 29	"	66781	H. O. Kirkham Co., 741 Fort St., Victoria.	3 "	40	Columbia Chem. Works, Chicago.	.....	Columbia Chlorinated Lime.
" 30	"	66785	Acton Bros., 1117 Douglas St., Victoria.	3 "	45	"	.....	"
Sept. 22	"	66786	Nat. Drug & Chem. Co., 512 Yates St., Victoria.	3 pkgs	30	Alpha. Chem. Co., Berlin, Ont.	.....	Chloride of Lime
" 23	"	66788	Windsor Grocery Co., 817 Government St., Victoria.	3 "	35	.....	R. P. Rithet & Co., Victoria.	St. James Chlorinated Lime.

BLEACHING POWDER.

Brand.	Results of Analysis.							No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Available Chlorine.		Container.	Condition of Powder.	Weight.				
	Claim.	Found.			Claimed.	Net as found in ounces.	Gross as found in ounces.		
THOS. PARKER, INSPECTOR.									
	p.c.	p. c.				p. c.	p. c.		
Royal	30·0	30·45			12 ounces net weight.	12·08	14·69	61860	
Sanitary	30·0	28·90			"	11·31	13·90	61863	
Wilson's	30·0	28·80			"	12·98	15·57	61864	
Columbia		20·95				12·63	15·24	61871	Below standard.
Imperial		25·80				13·61	16·47	61879	
E. J. MORGAN, INSPECTOR.									
Hudson	35 0	25·10			14 ounces net weight.	12·78	15·64	55323	
Columbia	30 0	28·90			12 ounces net weight.	12·80	15·43	55324	
Sanitary	30·0	27·50			"	12·98	15·63	55325	
White Star	30·0	29·50			"	11·98	14·78	55326	
Tiger	30·0	29·75			"	12·98	15·77	55327	
D. O'SULLIVAN, INSPECTOR.									
Hudson	35·0	27·10			14 ounces net weight.	12·18	15·03	66779	
Columbia	25·0	19·15	Cardboard	Damp and pasty.	"	15·63	17·80	66781	Below standard.
"	25·0	19·80	"	"	"	15·61	18·54	66785	"
		18·00			1 lb. full weight	13·33	14·91	66786	"
St. James	30·0	25·20			12 ounces net weight.	13·44	16·23	66788	